OIPE JC61
DEC 15 2004
PATENT & TRADEMARK OFFICE

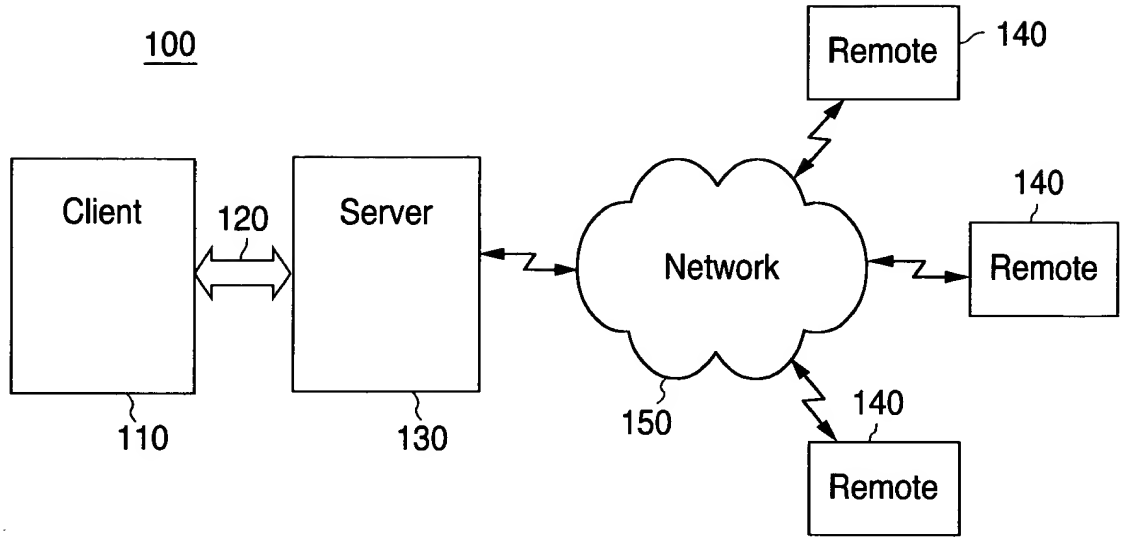

FIG. 1

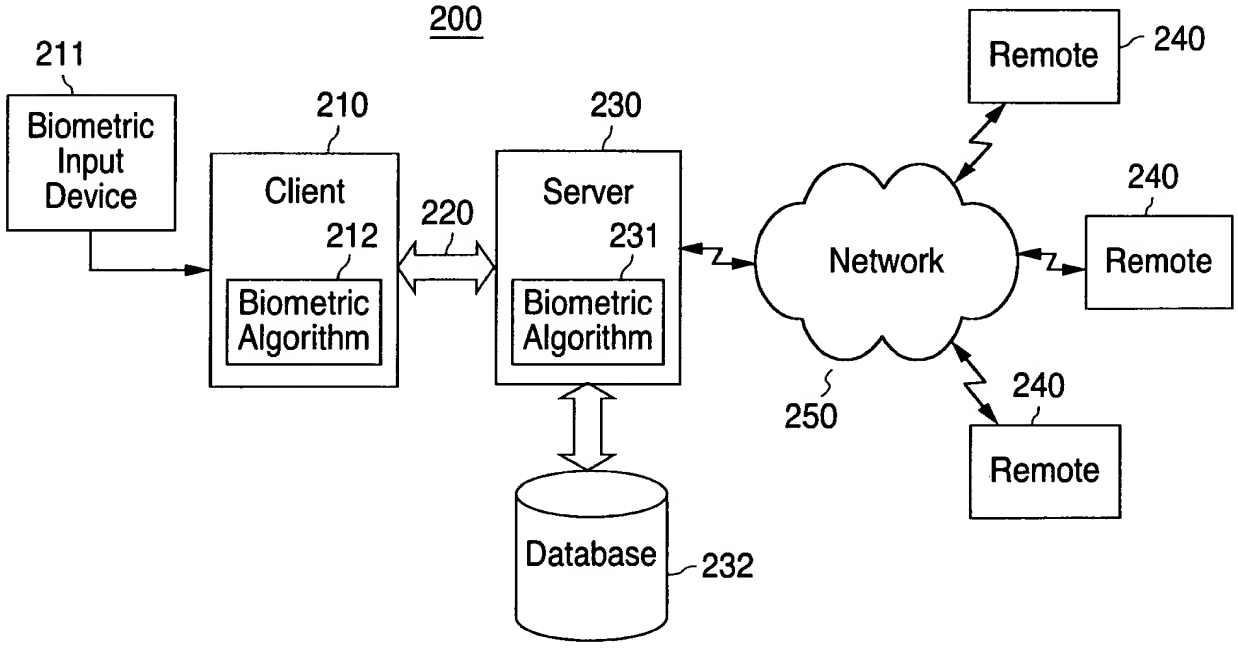

FIG. 2

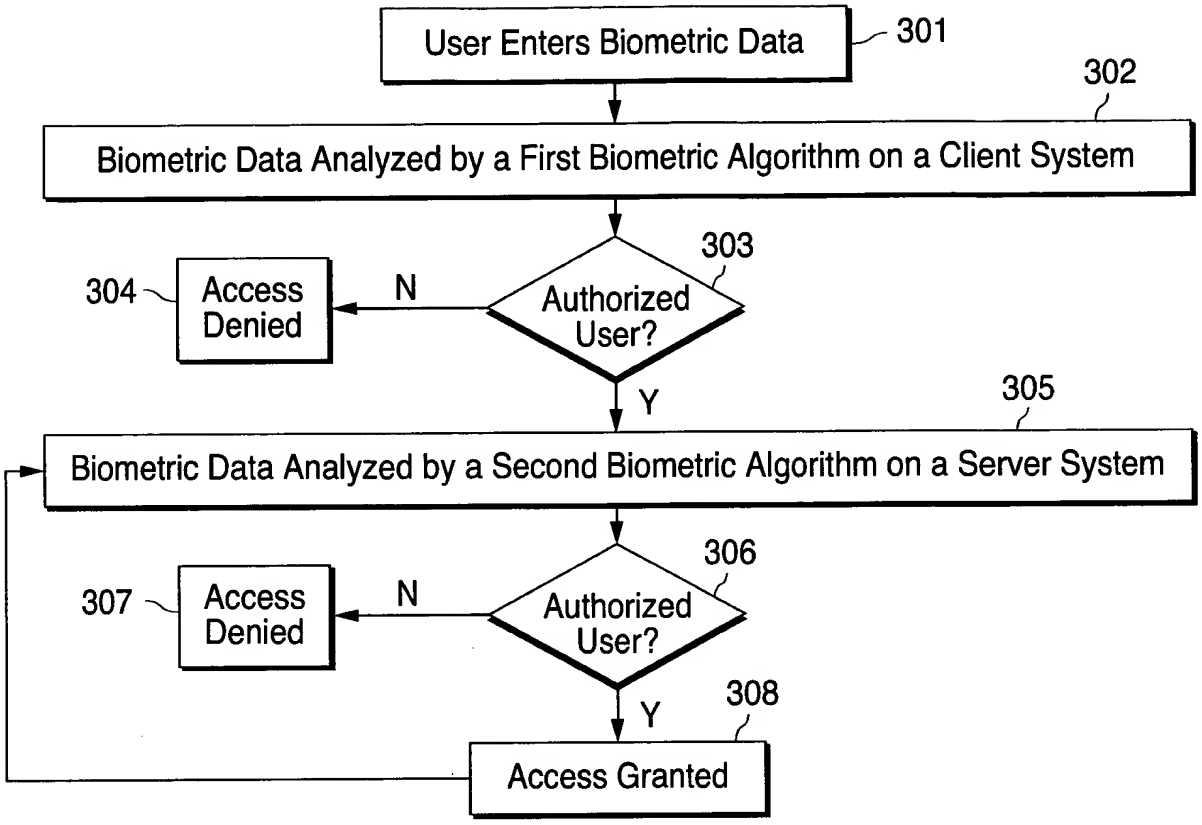
User Enters Biometric Data
301
302
Biometric Data Analyzed by a First Biometric Algorithm on a Client System
303
Authorized User?
N
304
Access Denied
Y
305
Biometric Data Analyzed by a Second Biometric Algorithm on a Server System
306
Authorized User?
N
307
Access Denied
Y
308
Access Granted

FIG. 3

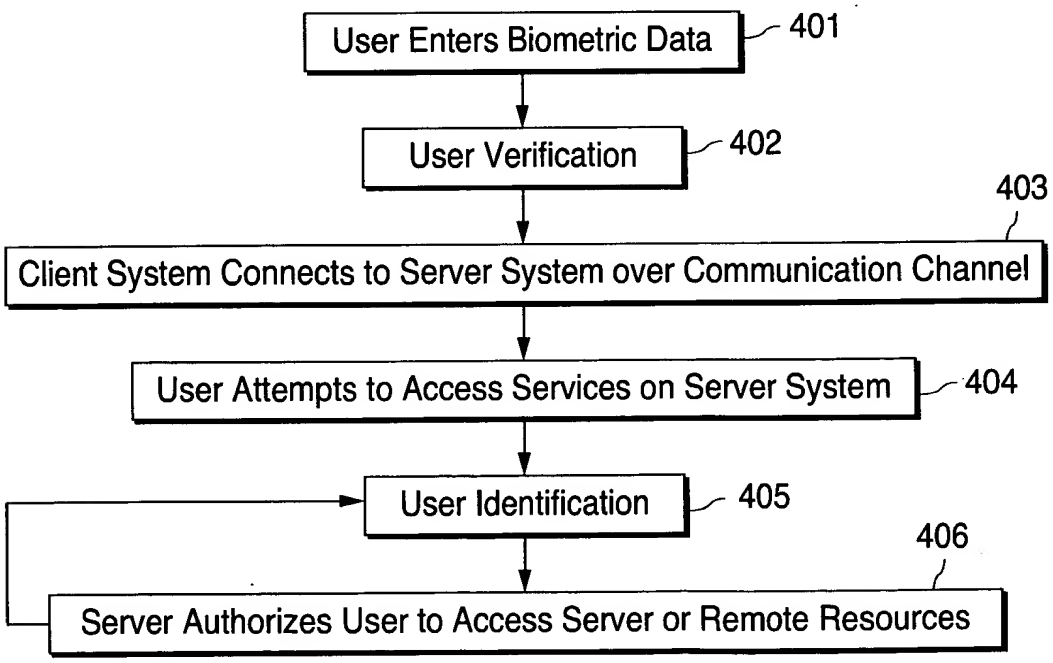
User Enters Biometric Data
401
User Verification
402
403
Client System Connects to Server System over Communication Channel
User Attempts to Access Services on Server System
404
User Identification
405
406
Server Authorizes User to Access Server or Remote Resources

FIG. 4

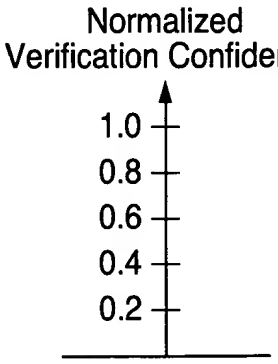

FIG. 5A

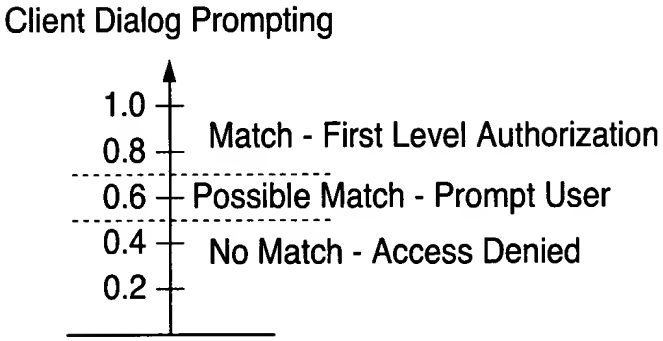

FIG. 5B

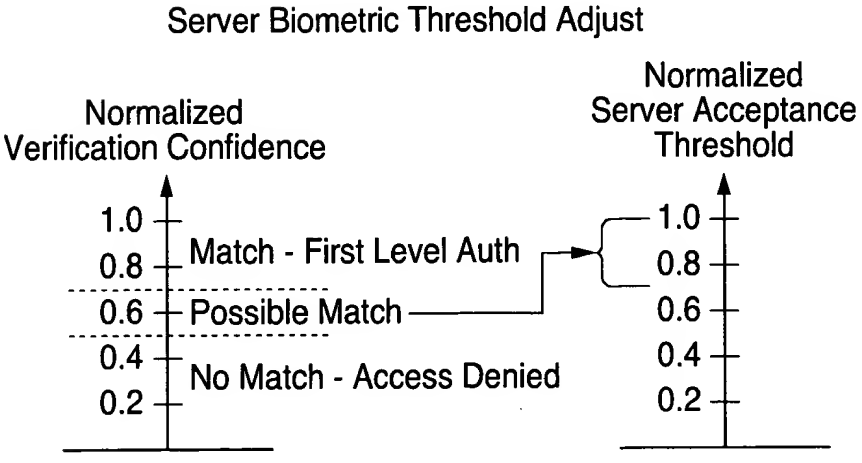

FIG. 5C

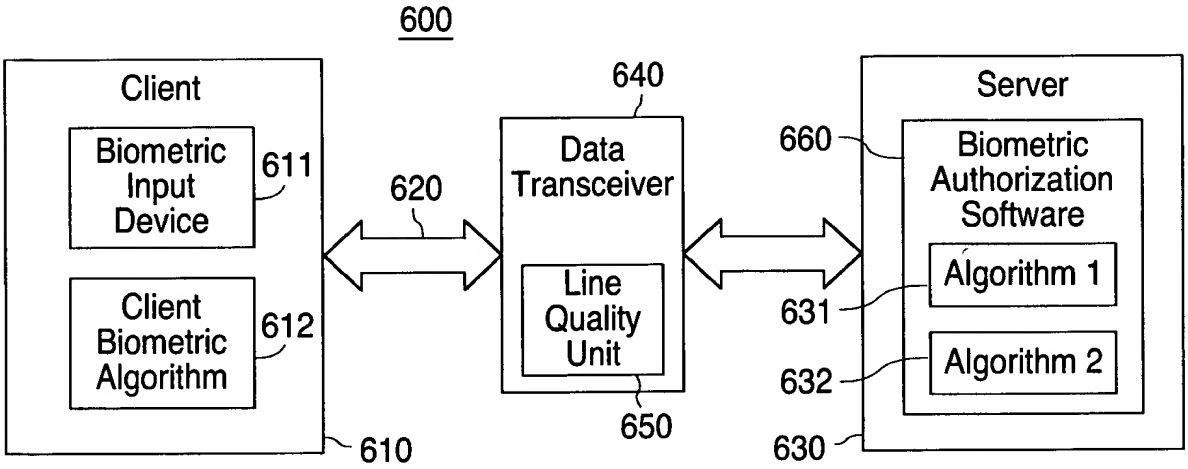

FIG. 6

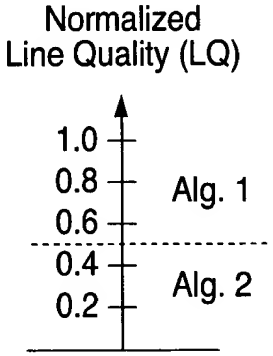

FIG. 7

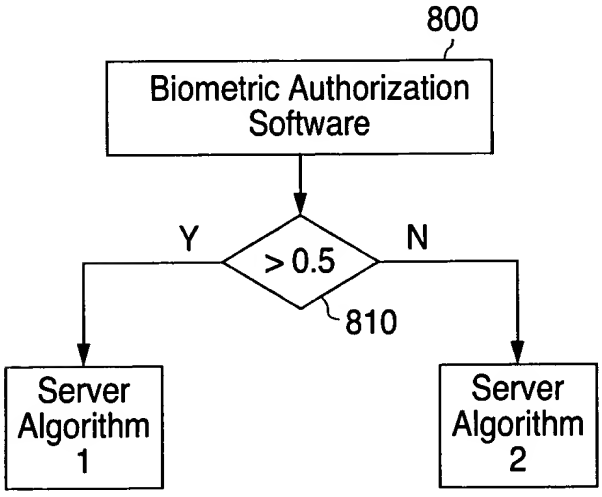

FIG. 8

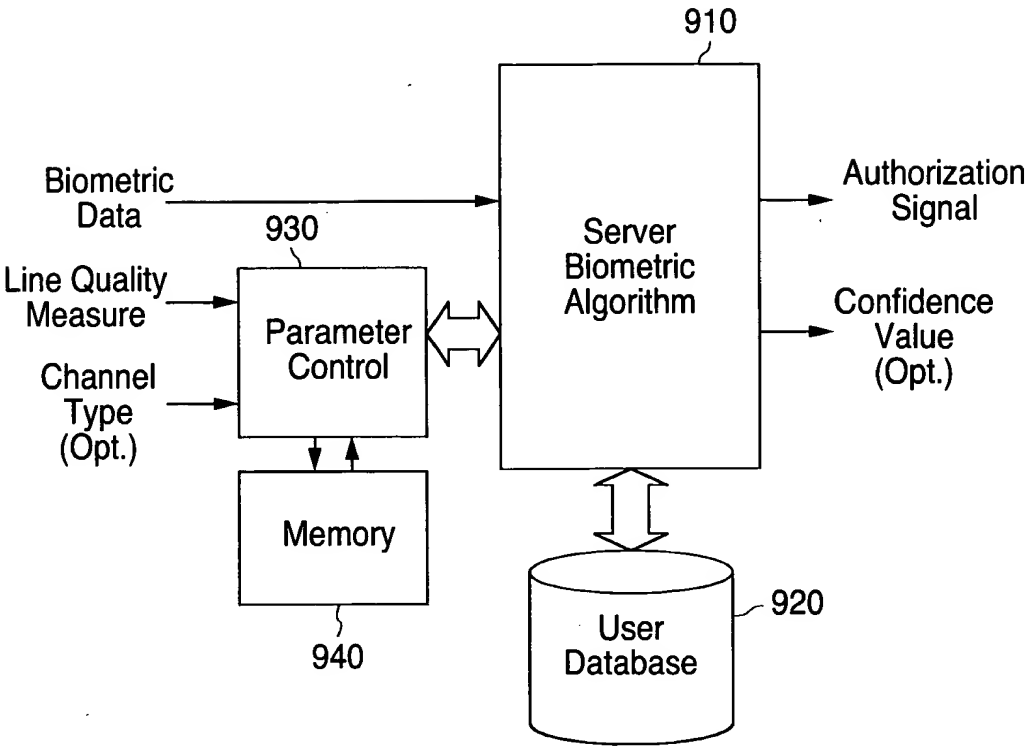
910
Biometric Data
930
Line Quality Measure
Parameter Control
Channel Type (Opt.)
Server Biometric Algorithm
Authorization Signal
Confidence Value (Opt.)
Memory
940
User Database
920

FIG. 9

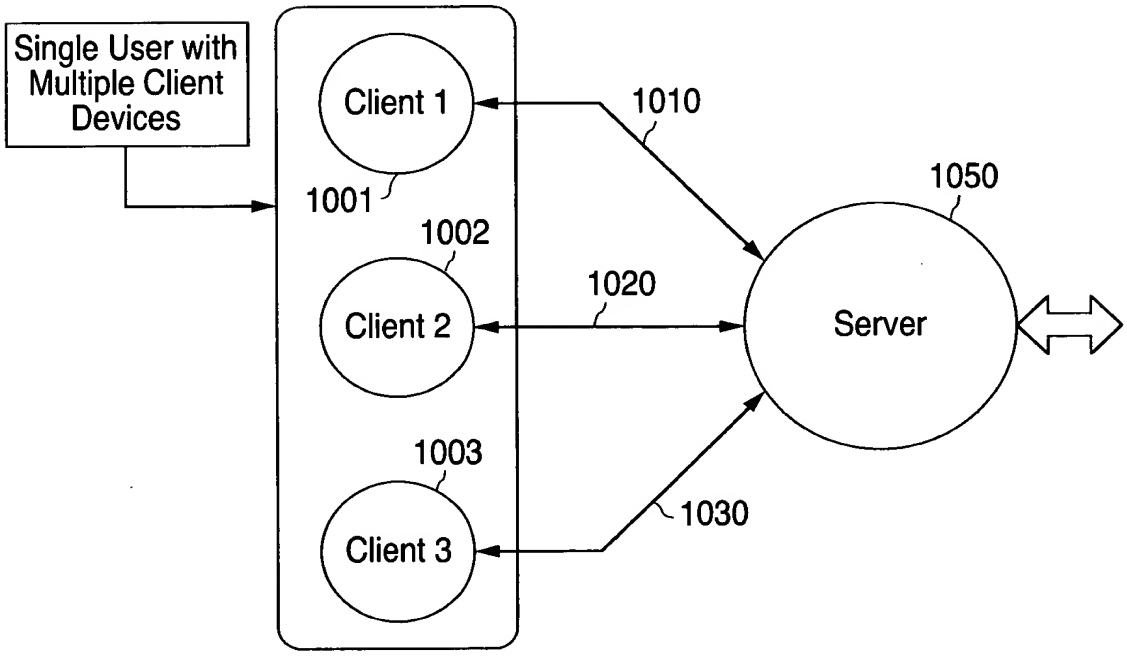
Single User with Multiple Client Devices
Client 1
1001
1010
1050
1002
Client 2
1020
Server
1003
Client 3
1030

FIG. 10